## Is more research funding the answer?



Bureau of Statistics, a recent report by the

Bonik Barta highlighted the state of research

funding in Bangladesh. The amount of

such funding was shown as 0.3 percent of

GDP (roughly equivalent to \$628 million).

According to the report, the highest amount

of spending was in agriculture (appropriately

so because hunger has serious political

ramifications) at \$330 million. The lowest

spending was in the industry and technology sector, which comes as a surprise. The

"entire" education sector, in second place, was

allotted about \$88 million. For perspective,

recent research funding for Johns Hopkins

University alone was \$3.42 billion while that

for the University of Michigan (Ann Arbor)

economic giants spend a greater share of

their "far greater" GDPs than Bangladesh

on research (especially on cutting edge

research). The USA spends more than 3

percent of its GDP on research. The BRICS

nations' research expenditures according to

one source are as follows: Brazil (1.16 percent),

Russia (1.04 percent), India (0.65 percent),

China (2.2 percent), and South Africa (0.83

percent). The USA and China outpace

research spending by far, globally. The two

countries are also economic and military

giants. Comparatively, research spending

by Bangladesh is miniscule. Nevertheless,

the amount is not insignificant. Properly

managed, even the current level of research

expenditures can provide measurable output

The article in the Bonik Barta seems to

suggest that increasing expenditures on

research is an immediate need according to

several "experts." My personal position is that

greater attention needs to be directed to the

management of the current expenditures,

driven by a clear set of agendas and goals.

For example, in the education sector, the

UGC may be hard pressed to articulate what

research goals are in its purview, how much

has been allocated by sector to the different

research projects, the status of each project

(apparently there is no proper reporting

system), research allocations to public and

private universities, and the impact that

any funded research has delivered. Lack of

management and administration of research,

a specialised skill, is sorely missing. Officials

at the UGC also speak in hushed tones about

a comprehensive set of measures to become

competent and innovative like the research-

driven nations. Some of the essential strategies

to consider include creating a supportive

innovation, fostering industry-academia

The fact is, Bangladesh needs to implement

the political realities of research.

According to one source the global

was \$1.77 billion.

and impact.

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Drawing upon data from the Bangladesh collaboration, improving research funding mechanisms, ensuring ethical research practices, leveraging existing data (across the various sectors), and monitoring, evaluation and regular reporting of progress in research. Each of these areas are rife with deficiencies that have remained in place for decades. For the sake of space and brevity, I shall focus on three immediate action items if research is to begin playing a meaningful role in the affairs of the nation.

Creating a supportive policy environment

· There is a clear need for a National R&D Strategy with clear (sectoral) priorities, and funding mechanisms which are implemented robustly through an efficacious command and control system. In the Strategic Plan for Higher Education 2018-2020, for example, there was a clear mandate to establish a National Research Council (NRC) to oversee and direct higher education research in phase-1 and extend its services to other sectors in later phases. No one seems to know how to prioritise and proceed on this strong and vital recommendation.

• Incentives are imperative for innovation: these include tax incentives (for industries to invest in and pursue their research agendas), substantial targeted grants (and eliminating trivial allocations for the sake of equity) and introducing subsidies for private sector investment in R&D in a PPP mode.

An enduring buzz in academia is that it requires political connections to advance in one's career. This is a fundamental concern which saps the enthusiasm among academics from becoming creative and inquisitive researchers. Unless they are autonomous and free from political oversight and interference, research will not take off.

· Intellectual property rights must be strengthened to protect innovations and encourage investment in research.

 Recognition for good research is another vital tool for encouraging critical investigations. A young researcher award may be introduced to encourage neophytes and to imbue in them the culture and value

policy environment, strengthening research Strengthening research infrastructure

infrastructure, cultivating a culture of . Bangladesh is abysmally deficient in methodologies in their fields.

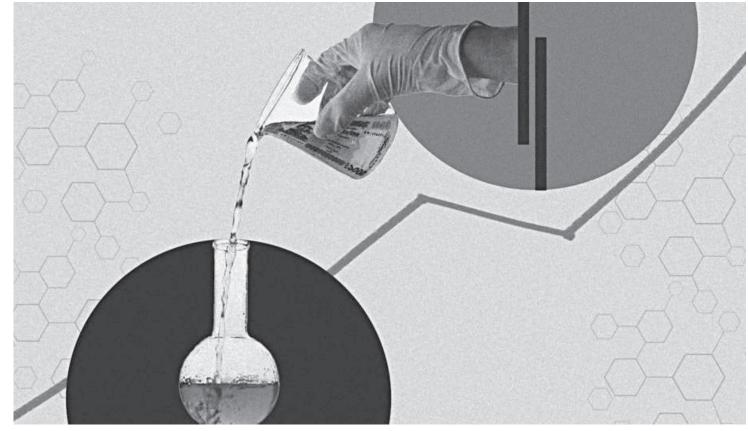
K-12 education. A large students are not even prepared for university education. Clearly, the proliferation of universities in the country is inconsistent ineffective K-12 output where progression in education is still based largely on rote memorisation, not creative or problem-solving modes of learning. Unless on STEM/STEAM (Science, Technology,

majority of the their laboratories must be fully equipped, Conclusion state-of-the-art facilities provided, and competent personnel selected to run their affairs. At the same time, the researchers must have access to modern technologies and resources for advanced research.

· A digital infrastructure to support data collection, analysis, and dissemination of the K-12 base is strengthened, with a focus research findings would be the icing on the research will not take off.

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The UGC also needs to be completely



VISUAL: SHAIKH SULTANA JAHAN BADHON

Engineering, Arts, and Mathematics) fields, it will not help create research mindsets. Also, where are the teachers who can implement this transformation? This community must be strengthened first. A good step is to make the academic field a sought-after career, not as the choice last resort, by "upgrading" the status and remuneration of those who choose to serve in this noble profession. It is worth mentioning that those who enjoy a higher status have been blessed in some way by their

· For state-of-the-art research to flourish, specialised programmes and curricula must be developed that strengthen exposure methodologies and critical to research thinking skills. Two issues research students face even in the recognised institutions are: i) teachers do not want to share their knowledge of methodology and analytics; and ii) supervisors are not willing to give time; instead, they load unrelated work on the students to advance personal agendas.

· For research to proliferate, the ratio of PhD to non-PhD faculty must strengthened and continuous professional development opportunities must availed to researchers to stay updated with specific: job creation; improvements in For far too long, this important activity with the latest advancements in knowledge and public health, education, and environmental ramifications for nation building has been

• To build world-class research institutions.

Monitoring and evaluation

It's important to establish a robust set of metrics to track approved research projects. These metrics should capture various aspects of a project, from inputs and processes to outputs and impacts. Additionally, a dedicated entity should be established (e.g., the proposed NRC) to oversee the monitoring process, ensuring compliance, and facilitating comprehensive and reliable data collection and analysis.

Inputmetrics such as R&D expenditures, percentage of GDP allocated to R&D, public vs. private sector investment in R&D, and quality of human resources as researchers (especially their qualifications) should be regularly monitored. Process metrics include the number of ongoing research projects, interdisciplinary and collaborative research initiatives, as well as training and development (number of workshops and participation rates in professional development activities). Output metrics, to be made public, include theses and dissertations at the post-graduate level, publications (in peer-reviewed journals with impact factor and citations), and patents and or the PMO) that has the political will and innovations. Impact metrics are research sustainability; international collaborations; allowed to drift without a clear purpose and a and rankings in various global indices.

reimagined because the people who run its affairs can make the difference. Instead of placing its governance under people nearing their retirement, serving only for a short duration (the revolving door phenomenon), and those who are deemed politically appropriate, the time has come for the UGC to be run by professionals who understand the importance of research and are competent in administering competitive research grants that make clear impact. These professionals must be selected competitively after meticulous scrutiny, not "recommended" by government officials or the political brass.

Thereafter, it is important to implement a holistic approach (not just funding) whereby Bangladesh can begin to create the right ecosystem for research and innovation. Fundamentally, however, education at K-12 requires a complete overhaul. Until then, increasing research budgets can make impact only through very selective and well-funded

Importantly, research in all sectors must be coordinated for synergy at some appropriate governmental level (the Planning Commission authority to drive innovation and change. creative and demanding leadership.

## What are we doing wrong in attracting FDI?



Foreign Direct Investment (FDI)

is the holy grail of this century.

Every country seeks to draw FDI and increase its share of this rare

commodity. Readers need no

reminder that FDI is a limited resource

and is traded in a competitive market

since all countries, including the

significant players-Ireland, India,

China, and the USA—are contenders

clutches of foreign control only in

1975, has emerged as an economic powerhouse thanks to the influx

of FDI. We can learn a lot from the

path it charted out for itself since

Bangladesh is strategically located in

the same region with the potential to

leverage not only its domestic market

potential but also its proximity to India and China to become the next

hub of the international supply chain,

including electronics, textiles, IT, and pharmaceuticals. Once they relocate

to Bangladesh, these industries

could export from here, serving

global markets in pharmaceuticals,

technology services, medical devices,

food and beverages, and financial

The question on everyone's mind

Vietnam, which broke out of the

in this chase.

services.

**DIALOGUE** 

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AN OPEN out if these credit rating agencies on have considered all the information available, including political, social, economic, environmental, and financial issues. As I was exploring, or weight as they call it in technical jargon, is assigned to the foreign exchange balance, financial stability, and, of course, the mood of the

Bangladesh that the country "seeks foreign investment and offers a range of investment incentives under its industrial policy and export-I discovered that a lot of emphasis, oriented growth strategy." The country has already taken several measures to streamline sanctioning foreign investment. Bangladesh Investment Development Authority

acknowledges activities in our industrial sector. Our last year (FY 22-23), Bangladesh own Centre for Policy Dialogue said the political economy dynamics of Bangladesh have frequently impeded substantial reforms, even when the stakeholders have acknowledged their needs.

International Finance Corporation(IFC) and other international lenders are pushing for a recognition of reforms and the development of a foundational framework to support FDI. There are three main pillars of the investment life cycle. The first pillar is investment attraction and facilitation, aiming at seizing new opportunities; the second pillar is investment retention to decrease the probability of divestment and to foster existing expansion and reinvestment of retained earnings of FDI, and the third pillar is creating policy responses that developing FDI links with the local economy to increase the development dividend of FDI. Having said that, we need investment, or rather draw the FDI that is constantly looking for new and fertile territories. Our performance in this regard could be

stronger. "Greenfield" FDI, which involves the establishment of new production more than 100 percent of gross FDI the global financial crisis, the ratio had dropped to one-half of gross investment climate. flows by 2020.

Many factors attract FDI and are including cheap labour, a welcoming raised the issue of anti-union young urban workers. However, assets.

attracted only \$3.6 billion in FDI, which was lower than FY 21-22, a 5.5 percent decline. To put it in context, Bangladesh needs \$6-10 billion of FDI annually to meet its investment needs.

Growing climate change impacts, rising interest rates, and policy changes in advanced countries—such as incentives for green investments and localisation of supply chains for critical technologies-have also had far-reaching implications for the allocation of investment across the

An IFC report, "Changing Foreign Direct Investment Dynamics and Policy Responses," provides a granular analysis of shifts in FDI flows and policy trends. It suggests countries may consider to reverse the decline in FDI and enable more private capital to support their development needs.

What can we do better? Why is Vietnam successful and not us? Investors feel encouraged by the political stability of a country. A business's prosperity is based on a government's favourable legislation and political goodwill. This includes having (and maintaining) a good raw materials to marketplaces. The IFC report identifies the proactive initiatives by Vietnam, including flows to developing countries before a dispute resolution mechanism and other measures to improve the

Finally, favourable tax rates will also promote investments as exchange rate is ideal for foreign investors because it is cheaper for government, and our well-educated investors and companies to buy



credit rating (SCR) to B+ from BB-. investors in the country itself. It is That will impact FDI, in addition to

driving up the cost of borrowing. The SCR downgrade did not surprise anyone, but I wanted to know what factors caused this downgrading. Does it matter to us? And how consistent have the ratings been in identifying the potential

also known that building stronger FDI links with the local economy through supplier development programmes and FDI linkage initiatives help decrease information gaps for investors and boosts local business opportunities.

The US Department of State, in its 2023 Investment Climate circular

(BIDA) has been coordinating reform initiatives to improve Bangladesh's ranking on the World Bank's Ease of Doing Business index. BIDA has been working in collaboration with Bangladesh Securities and Exchange Commission (BSEC) to host trade shows abroad.

Unfortunately, the US has also

facilities and thus the creation of many new jobs, has been in consistent decline as a share of total investment. transport and infrastructure network While annual announcements of new to help transport products and greenfield projects (that is, the future pipeline of investments) averaged VISUAL: SALMAN SAKIB SHAHRYAR

> well-known. However, it is better investors look for nations with lower said than done. In Bangladesh, corporate taxes. Ironically, a weak several factors are favourable,

is whether the recent troubles in our economic front will hurt our chances of attracting FDI. The recent budget has incorporated no new measures to make FDI more attractive to investors. The Fitch ratings downgraded Bangladesh's sovereign risk to investors? I wanted to find